

ESAD83-006R

FUJI Diode

Schottky Barrier Diode

Maximum Rating and Characteristics

• Maximum ratings (at Ta=25°C unless otherwise specified.)

Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	VRRM	-	60	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 119°C	30 *	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	120	A
Operating junction temperature	Tj	-	150	°C
Storage temperature	Tstg	-	-40 to +150	°C

Note* Out put current of center tap full wave connection.

Note** Rating per element

• Electrical characteristics (at Ta=25°C unless otherwise specified.)

Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I⊧ = 12.5 A	0.58	V
Reverse current***	IR	Vr =Vrrm	20	mA
Thermal resistance	Rth(j-c)	Junction to case	1.2	°C/W

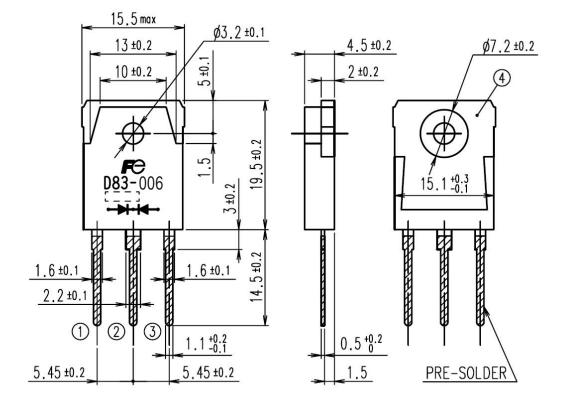
Note*** Rating per element

• Mechanical characteristics

Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	5.5	g

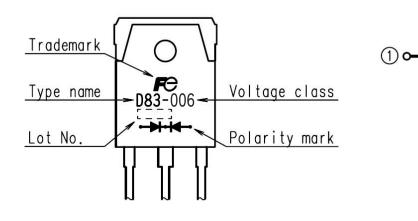
Outline Drawings [mm]

OUT VIEW



MARKING

CONNECTION

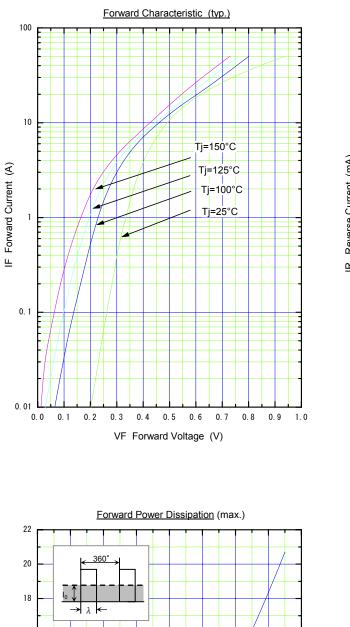


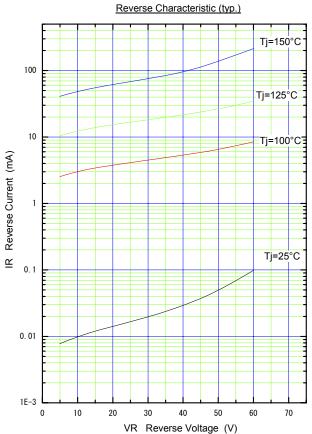
24

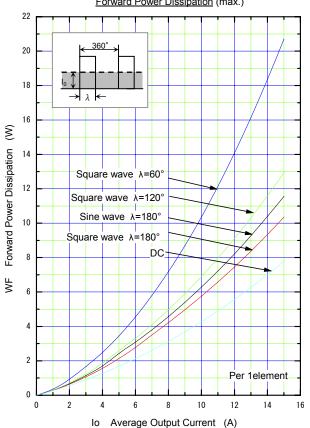
UNIT:mm

•3

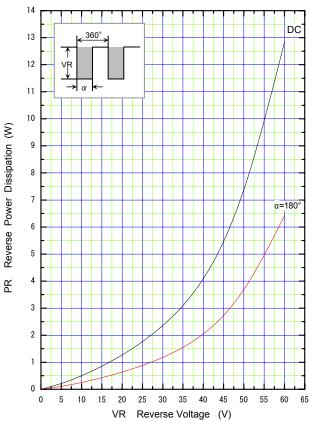
http://www.fujisemi.com

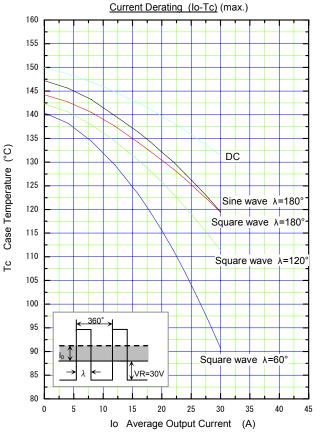




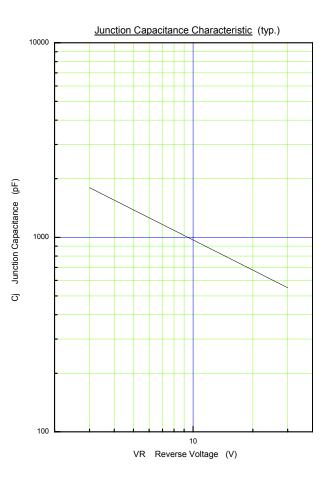


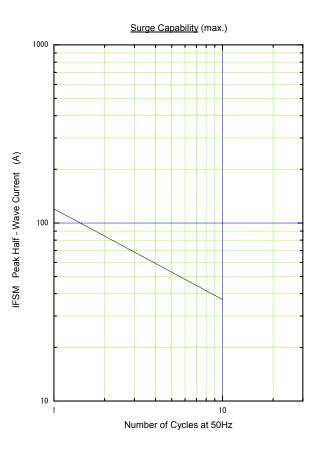
Reverse Power Dissipation (max.)

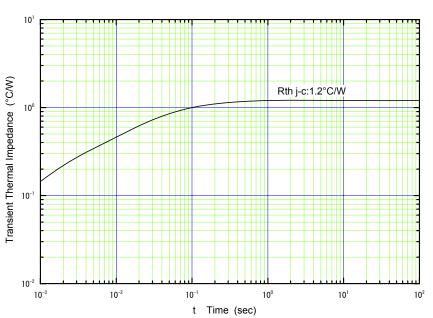




:Conduction angle of forward current for each rectifier element lo:Output current of center-tap full wave connection







Transient Thermal Impedance (max.)

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